

FIG. 1

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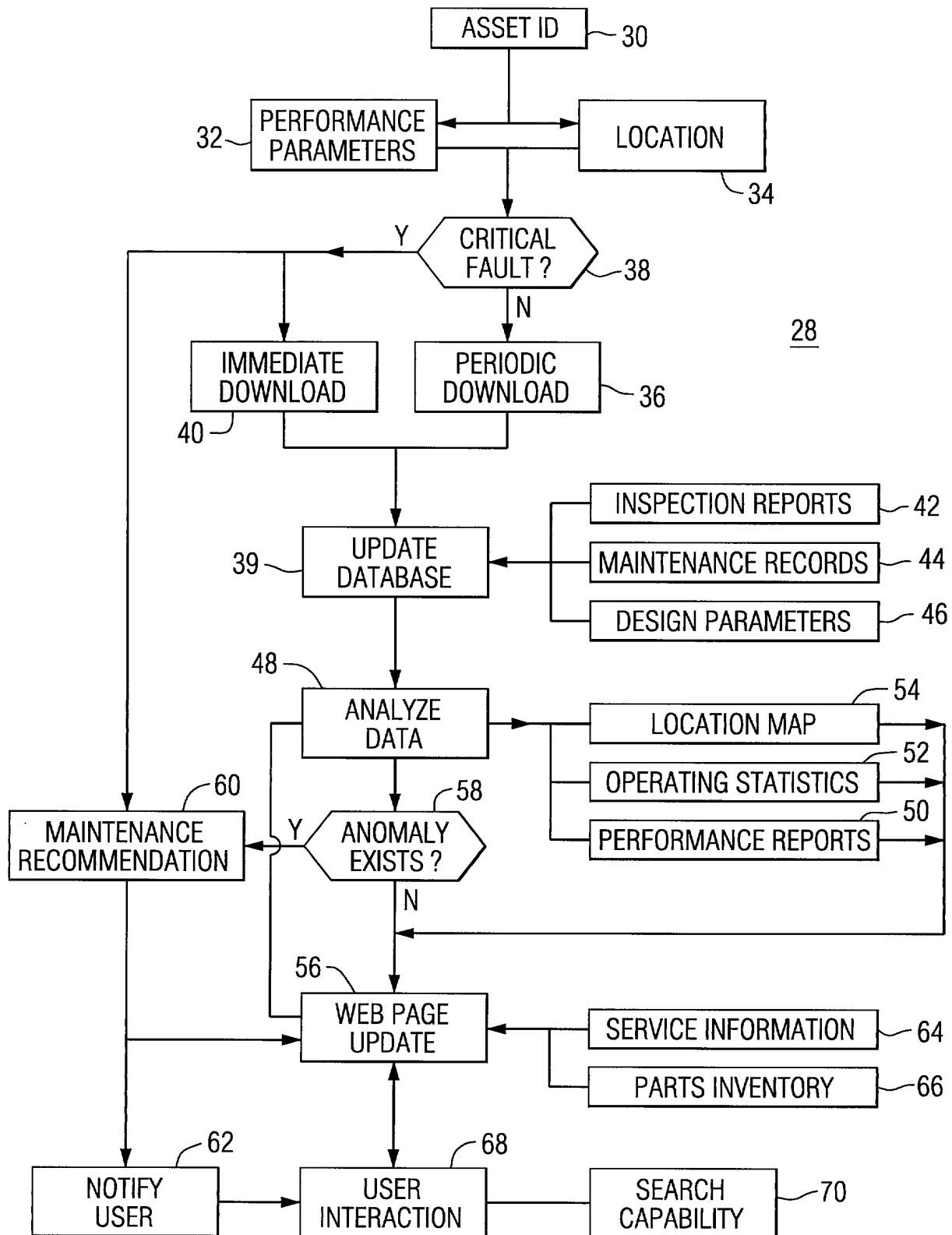


FIG. 2

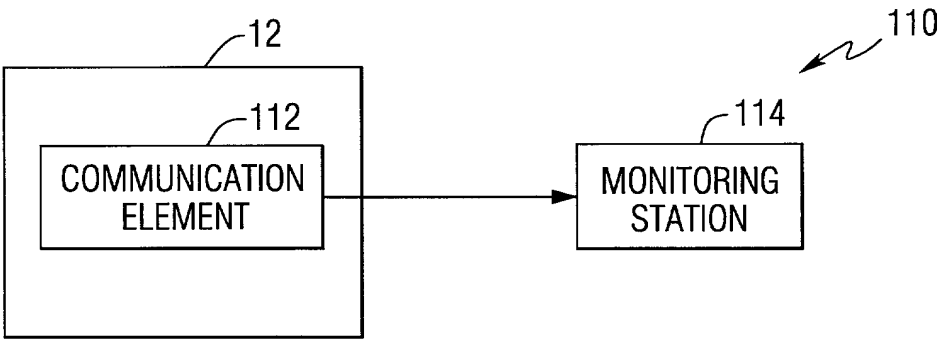


FIG. 3

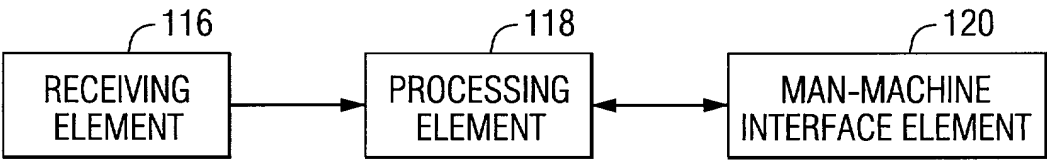


FIG. 4

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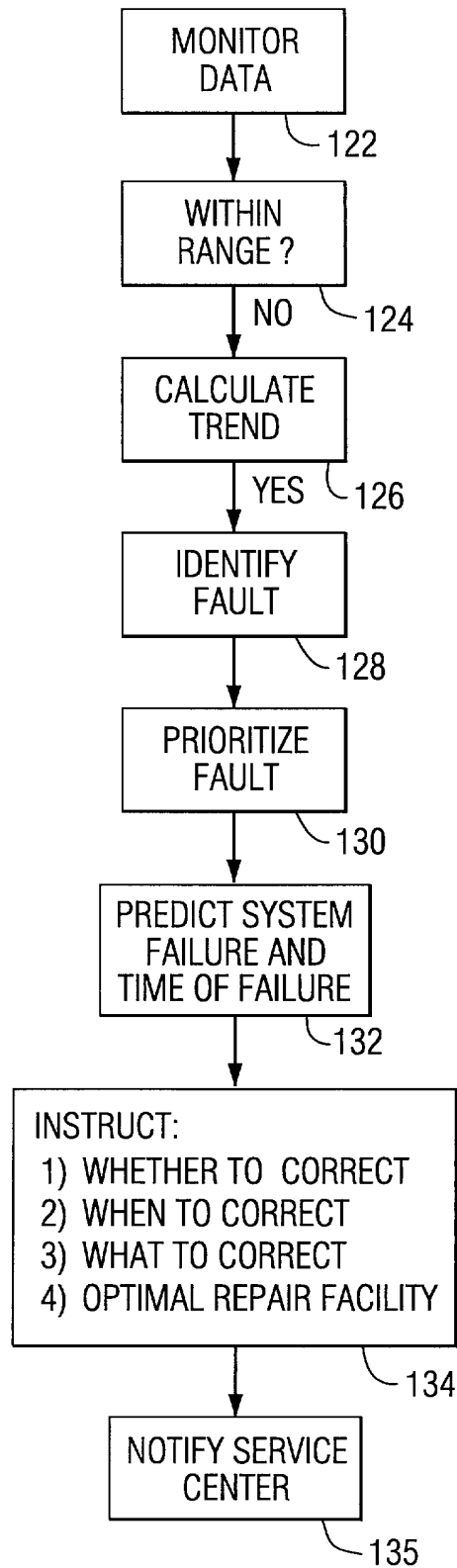
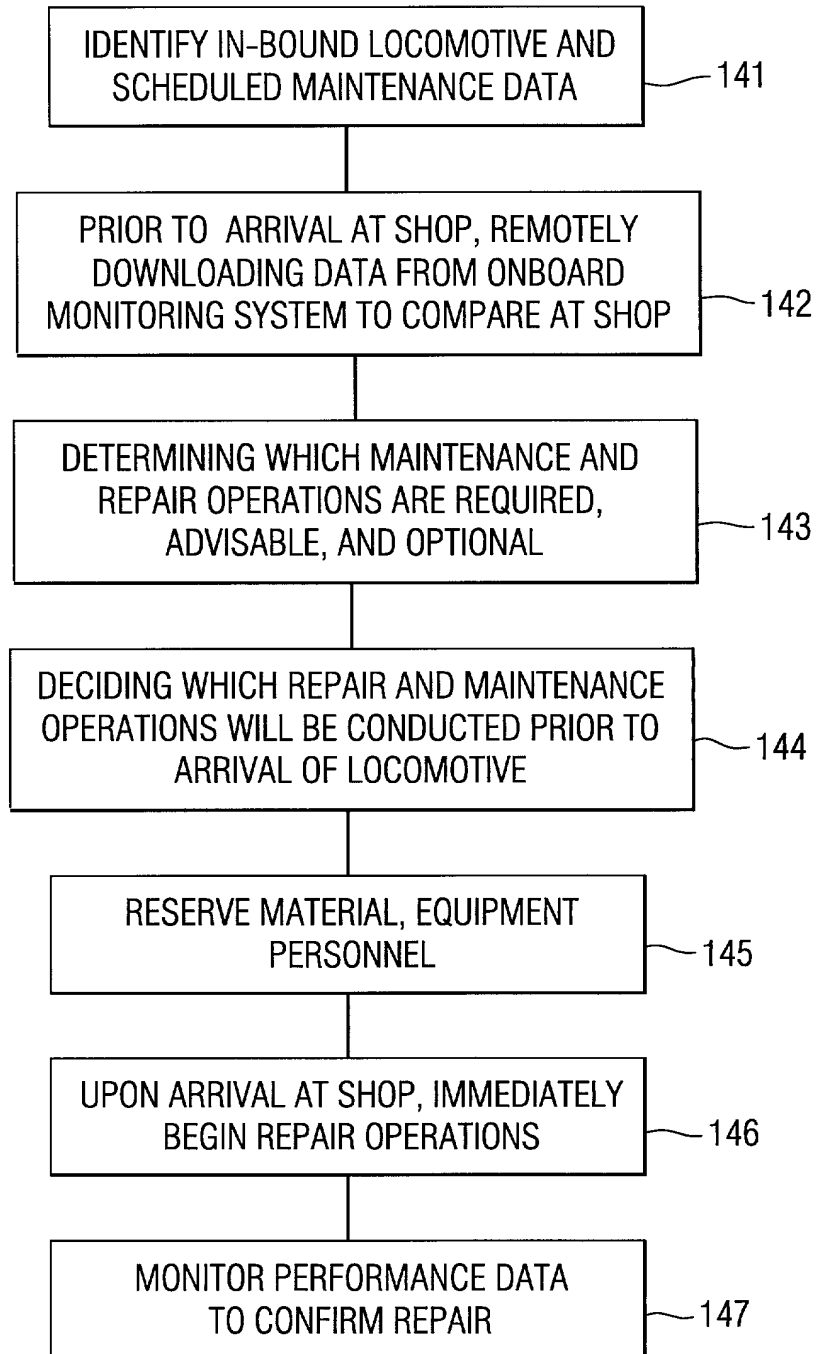


FIG. 5

**FIG. 6**

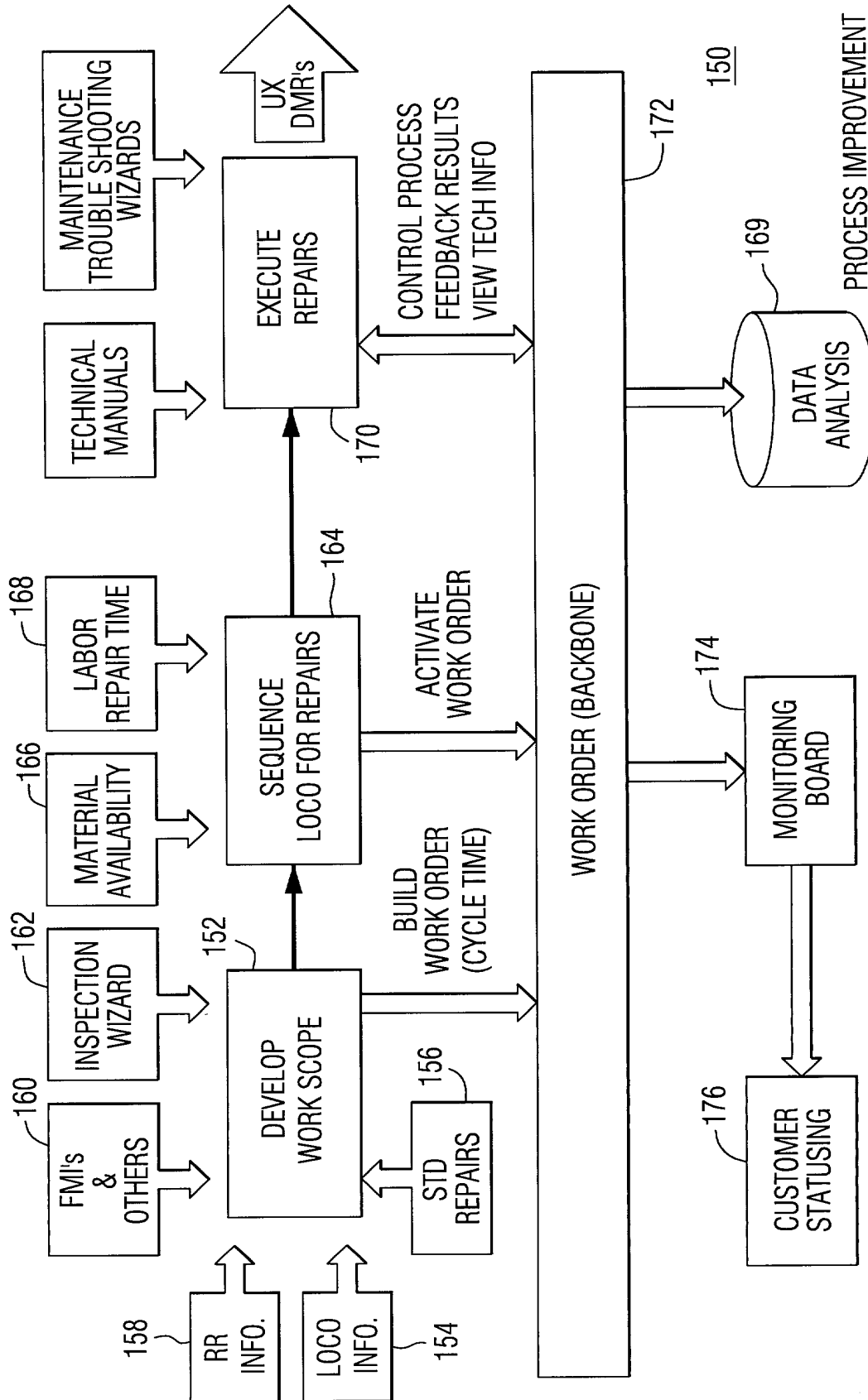


FIG. 7

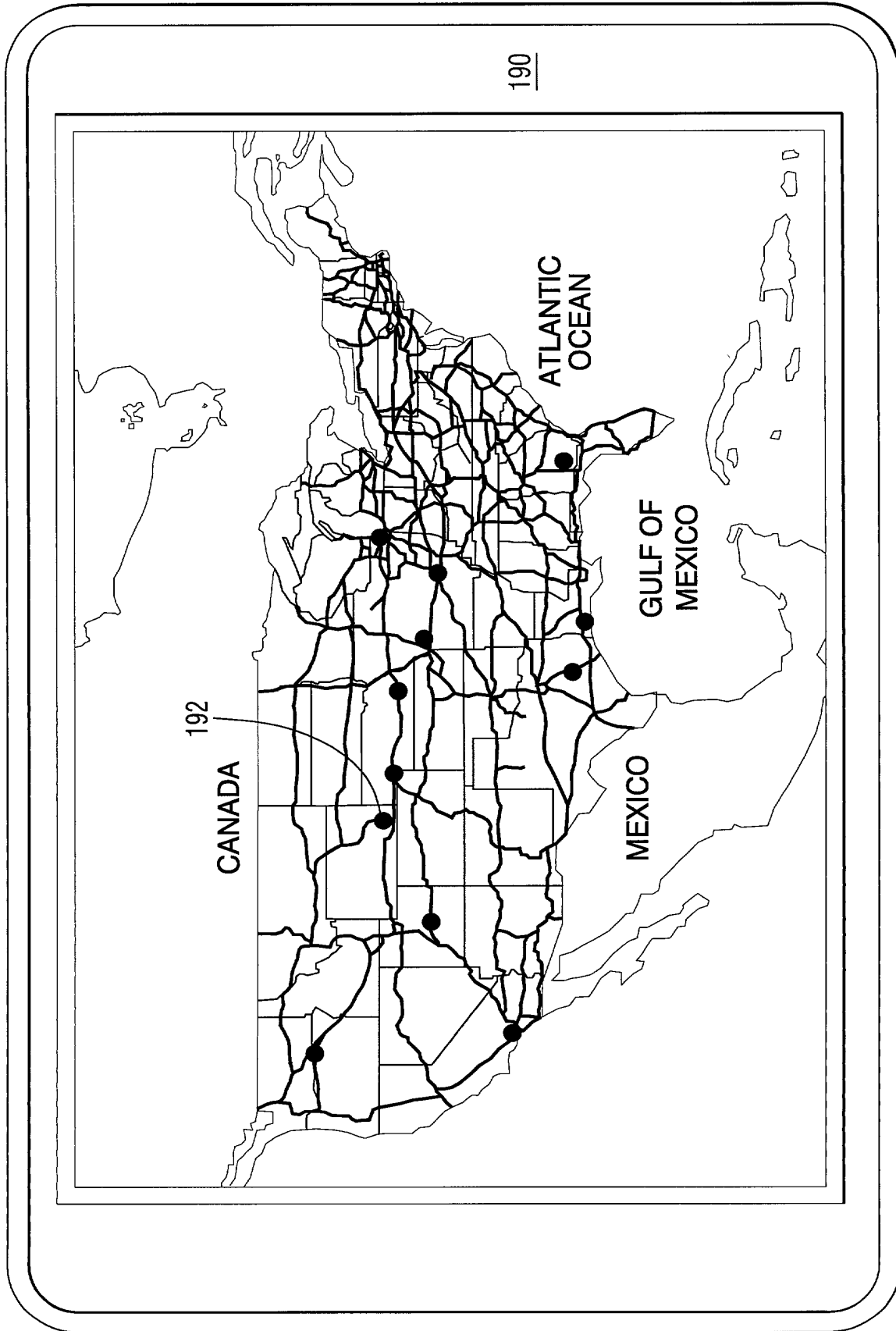


FIG. 8

LOCOMOTIVE CITY/STATE PROXIMITY

CITY:

LOS ANGELES

STATE:

CA

RANGE:

100

MILES

SEND QUERY:

SUBMIT

ALL LOCOMOTIVES WITHIN 100 MILE RADIUS OF LOS ANGELES, CA	
LOCOMOTIVE	LOCATION
8618	1.9 MILES E OF CARSON, CA
8444	1.9 MILES N OF MIRA LOMA, CA
8350	1.3 MILES NW OF PEDLEY, CA

FIG. 9



GE TRANSPORTATION SYSTEMS

MY SERVICES

LOGGED IN: USER 1

HELP | PERSONALIZE | LOGOFF

HOME

MONITOR BOARD

BEST PRACTICES

PERSONALIZE THIS PAGE

[CHOOSE GADGETS](#)[CHANGE LAYOUT](#)[CHANGE COLORS](#)

ROAD NUMBER NAVIGATOR

☐ EDIT ☐ X

SEARCH

[ADVANCED SEARCH](#)

SAVED SEARCHES

LOCOMOTIVE TOOLBOX VER. 1.4

☐ EDIT ☐ XSOFTWARE UPLOADS AND FAULT CODE
DOWNLOADS...SEE HOW IT'S DONE!

BEGIN

FOUL ANALYSIS SEARCH

☐ EDIT ☐ X

STEP 1:

SELECT TYPE OF LOCOMOTIVE ☒ DASH8_DASH9
☐ AC4400

STEP 2:

TYPE WORD OR FAULTCODE TO
SEARCH

SEARCH

[ADVANCED SEARCH](#)

SAVED SEARCHES

INSTRUCTIONAL MATERIAL

☐ EDIT ☐ X

SEARCH

[ADVANCED SEARCH](#)

SAVED SEARCHES

PARTS CATALOG

☐ EDIT ☐ X

SELECT ROAD NUMBER OF LOCOMOTIVE:

ROAD NUMBER

NONE SELECTED

204

GETS SERVICES PORTAL: MY PAGE

MY DOCUMENTATION

☐ EDIT ☐ X

TROUBLE SHOOTING GUIDES

☐ EDIT ☐ X☐ DASH 8 TROUBLESHOOTING GUIDE☐ DASH 9 TROUBLESHOOTING GUIDE

202

FMI'S

☐ 24 3520 FMI CDC MODIFICATION☐ 24 3643 FMI CCBII FILTER MODIFICATION☐ 24 3661 FMI CCBII PLUG INSPECTION☐ 26 3711 FMI FUSE ELIMINATION☐ 27 3473 FMI WATER TANK PRESSURE RELIEF VALVE☐ 27 3728 FMI RADIATOR CAP REMOVAL☐ 29 3700 FMI INJECTOR HOLD DOWN STUDS☐ 30 3675 FMI WPS SENSOR REPLACEMENT☐ 31 3723 FMI HEADLIGHT RESISTOR MODIFICATION☐ 32 3412 FMI TOILET MODIFICATION☐ 33 3278 FMI BRAKE LEVER CHANGEOUT

SPECIAL PROCEDURES

☐ BATTERY RELATED CHECKS☐ BOSCH TOOLBOX RECORDING PROCEDURE☐ CCBII UNITS HOW TO SET FLOW FOR A M61☐ CCBII UNITS HOW TO SET FLOW FOR A M61☐ CHECKING OVERSPEED 700 UP PHONEIX☐ CHECKING OVERSPEED B60 1123 UNITS NON PHONEIX☐ CW 44 BOSCH EGU TOOLBOX READINGS☐ CYLINDER CUTOUT USING THE BOSCH TOOLBOX☐ DISARM 2 WAY EOT☐ HOW TO LOAD CAB FILES☐ IES MOD SHEET☐ AIR FLOW METER CALIBRATION☐ DASH 7 CONTRACTOR EVALUATION☐ QUANTUM EVENT RECORDER TEST SETUP

TORQUE VALUES

☐ DASH 8☐ DASH 9☐ AC4400

GENERAL SAFETY INFORMATION

☐ TO SAFELY LOCK-OUT TAG-OUT THE LOCOMOTIVE (MECHANICAL)☐ TO SAFELY LOCK-OUT TAG-OUT THE LOCOMOTIVE (ELECTRICAL)☐ EMPLOYEE SAFETY RULES☐ MECHANICAL / P&M SAFETY RULES

FIG. 10



GE TRANSPORTATION SYSTEMS

REV 0
84A207789

TROUBLESHOOTING GUIDE
FOR BNSF DASH 8 LOCOMOTIVES

TROUBLESHOOTING GUIDE

FOR

BURLINGTON NORTHERN SANTA FE (BNSF) DASH 8 LOCOMOTIVES

FIG. 11

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GE TRANSPORTATION SYSTEMS
MY SERVICES

BEST PRACTICE SHARING

HELP | PERSONALIZE | LOGOFF

HOME

MONITOR BOARD

BEST PRACTICES

SEARCH: 212 BOSCH HP PUMPS

SEARCH BY KEYWORD POSTED BY SCOTT MACDONALD ON THURSDAY, JULY 13, 2000
ADVANCED SEARCH STARTED TO TRACK HISTORY ON UNITS THAT HAVE FAILED FOR HP FAILURES.
RESULTS TO DATE:
A. UNIT 2567 - FAILED ON 6/26/00 FOR RIDING LOAD POT AS LOW AS 6%.
UNIT IN FOR INSPECTION 4/17/00.
AT THIS TIME PWR PISTON GAP WAS 0.367 AND ALL PUMPS FIRING...

POST NEW MESSAGE:
NEW MESSAGE [CLICK TO READ MORE...](#) [REPLY...](#) [VIEW REPLIES...](#)

BEST PRACTICES: UNIT 2579

POST BEST PRACTICE POSTED BY SAGAR PATEL ON THURSDAY, JULY 13, 2000
VIEW BEST PRACTICES PLEASE SHARE YOUR TROUBLESHOOTING EXPERIENCE ON UNIT 2579 WITH THE
FIELD SERVICE TEAM.
[REPLY...](#) [VIEW REPLIES...](#)

BROWSE MESSAGES:

BY CATEGORY TM INSPECTION
BY DATE

RECENT MESSAGES: POSTED BY SCOTT MACDONALD ON WEDNESDAY, JULY 12, 2000
WE DEVELOPED A NEW INSPECTION AND TRAINING PROCESS FOR ELECTRICIANS
WORKING ON TM CABLE GROUNDS. THE PROCESS CAN BE REVIEWED ONLINE AT...

7/11 PROBLEM1 [CLICK TO READ MORE...](#) [REPLY...](#) [VIEW REPLIES...](#)
7/10 PROBLEM2
7/10 PROBLEM3

WATER DUMP VALVES

POSTED BY STAN HAYS ON TUESDAY, JULY 11, 2000
A MAJOR RELIABILITY DRIVER ON THE DASH 8 FLEET IS FAILURES DUE TO
WATER DUMP VALVES.
A FAILURE MODE HAS BEEN IDENTIFIED AND THE VALVES WERE OVERHAULED.
THIS INFO IS TO BE SHARED WITH OTHER RAILROADS THAT USE THIS VALVE.
[CLICK TO READ MORE...](#) [REPLY...](#) [VIEW REPLIES...](#)

FIG. 12

12/12 USER INTERFACE

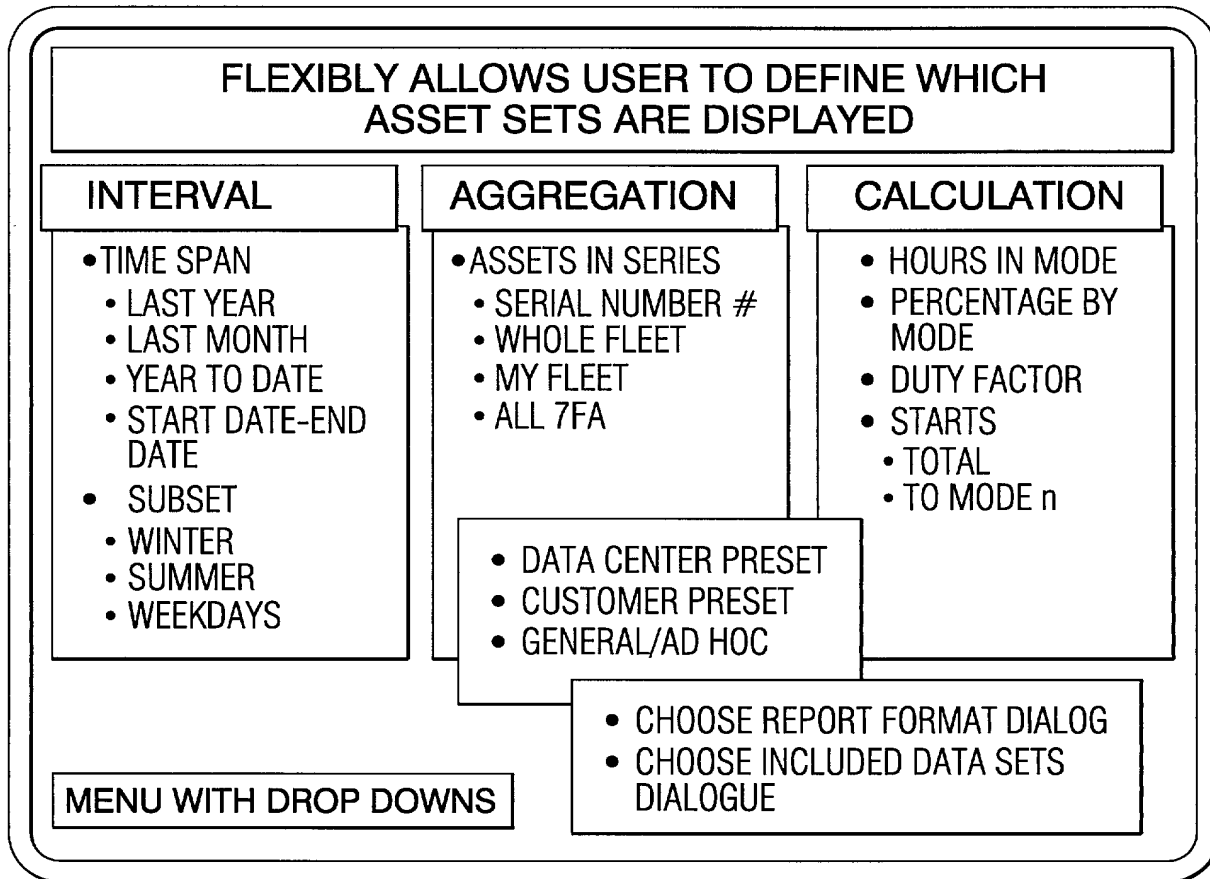


FIG. 13

300

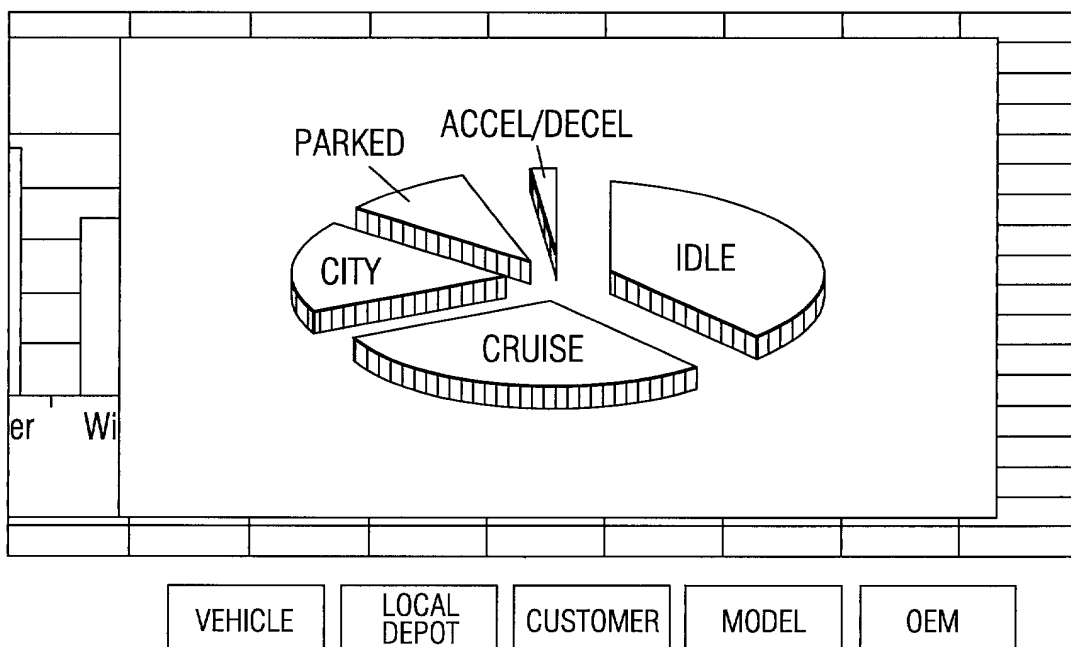


FIG. 14